

# Pi LV1



## Features



### Safe

- LFP Chemistry, Field-Proven BMS Included in Individual Module, Integrated DC Breaker & Fuse



### Powerful

- Up to 10.24kW Continuous Output



### Plug-and-play (15-min installation)

- Quick Connectors, Easy to Install



### Scalable on Demand

- Flexible Configuration from 10.24 to 30.72 kWh per Stack, Up to 4 Stacks



### Outdoor Rated Enclosure

- Water & Dust Proof for Both Indoor and Outdoor Installation



### Smart

- Remote Upgrading & Monitoring

# Pi LV1 Specifications



## Battery Module Unit:

|                                                  |              |
|--------------------------------------------------|--------------|
| Chemistry                                        | LFP          |
| Nominal Energy                                   | 5.12kWh      |
| Nominal Voltage                                  | 51.2V        |
| Voltage Range                                    | 47.5V~ 56.8V |
| Nominal Capacity                                 | 100Ah        |
| Recommended Continuous Charge/ Discharge Current | 50A(2.56kW)  |

## Pi LV1 System

|                                 |                                                               |                                |                                |                                |                                |
|---------------------------------|---------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Modules <sup>[1]</sup>          | 2                                                             | 3                              | 4                              | 5                              | 6                              |
| Nominal Voltage                 |                                                               |                                | 51.2V                          |                                |                                |
| Voltage Range                   |                                                               |                                | 47.5V~ 56.8V                   |                                |                                |
| Nominal Capacity                | 200Ah                                                         | 300Ah                          | 400Ah                          | 500Ah                          | 600Ah                          |
| Nominal Energy                  | 10.24kWh                                                      | 15.36 kWh                      | 20.48kWh                       | 25.6kWh                        | 30.72kWh                       |
| Recommended Power               | 5.12kW                                                        | 7.68kW                         | 10.24kW                        | 10.24kW                        | 10.24kW                        |
| Dimensions (L*W*H)<br>(inch/mm) | 26.8*9.5*31.5/<br>681*242*800                                 | 26.8*9.5*41.7/<br>681*242*1060 | 26.8*9.5*52.0/<br>681*242*1320 | 26.8*9.5*62.2/<br>681*242*1580 | 26.8*9.5*72.4/<br>681*242*1840 |
| Weight (lbs/kg)                 | 285.5/130                                                     | 411.2/187                      | 536.8/244                      | 662.5/ 301                     | 788.2/358                      |
| Communication                   | CAN, RS485                                                    |                                |                                |                                |                                |
| Operating Temperature           | Charge:32°F~113°F/0°C~45°C<br>Discharge:14°F~122°F/-10°C~50°C |                                |                                |                                |                                |
| Ingress Protection              | NEMA 3/IP55                                                   |                                |                                |                                |                                |
| Cycle Life                      | ≥6000 cycles                                                  |                                |                                |                                |                                |
| Altitude <sup>[2]</sup>         | <13123.35ft/4000m                                             |                                |                                |                                |                                |
| Warranty                        | 10 Years                                                      |                                |                                |                                |                                |
| Certifications                  | UL 9540 Ed.2 (2020), UL 9540A, UL 1973, CEC, SGIP             |                                |                                |                                |                                |

[1]:Recommended maximum 4 modules in parallel in a single stack.

[2]:@25°C, 0.5C Charging/Discharging, 80% DOD.

## Inverter Compatibility List

Main Inverter Partner



# Pytes

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